



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/home/asp

Miami Rolling Doors Corp.
497 W. 28 Street
Hialeah, FL 33010

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model MRD-65 Steel Rolling Door up to 24'- 6 5/8" Wide – L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD10-25**, titled "Model MRD-65 Rolling Door (LMI)", sheets 1 through 4 of 4, dated 09/14/10, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 12/07/10

NOA No. 10-0928.08
Expiration Date: December 30, 2015
Approval Date: December 30, 2010
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **AD10-25**, titled "Model MRD-65 Rolling Door (LMI)", sheets 1 through 4 of 4, dated 09/14/10, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
5) Tensile Test per ASTM A370-05,
along with installation diagram of Series MRD-65 Garage Doors, prepared by Fenestration Testing Laboratory, Inc, Test Report No. **FTL-6223**, dated 08/31/10, signed and sealed by Jorge A. Causo, P.E.

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by MCY Engineering, Inc, dated 09/23/10, signed and sealed by Yiping Wang, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

E. MATERIAL CERTIFICATIONS

1. None.

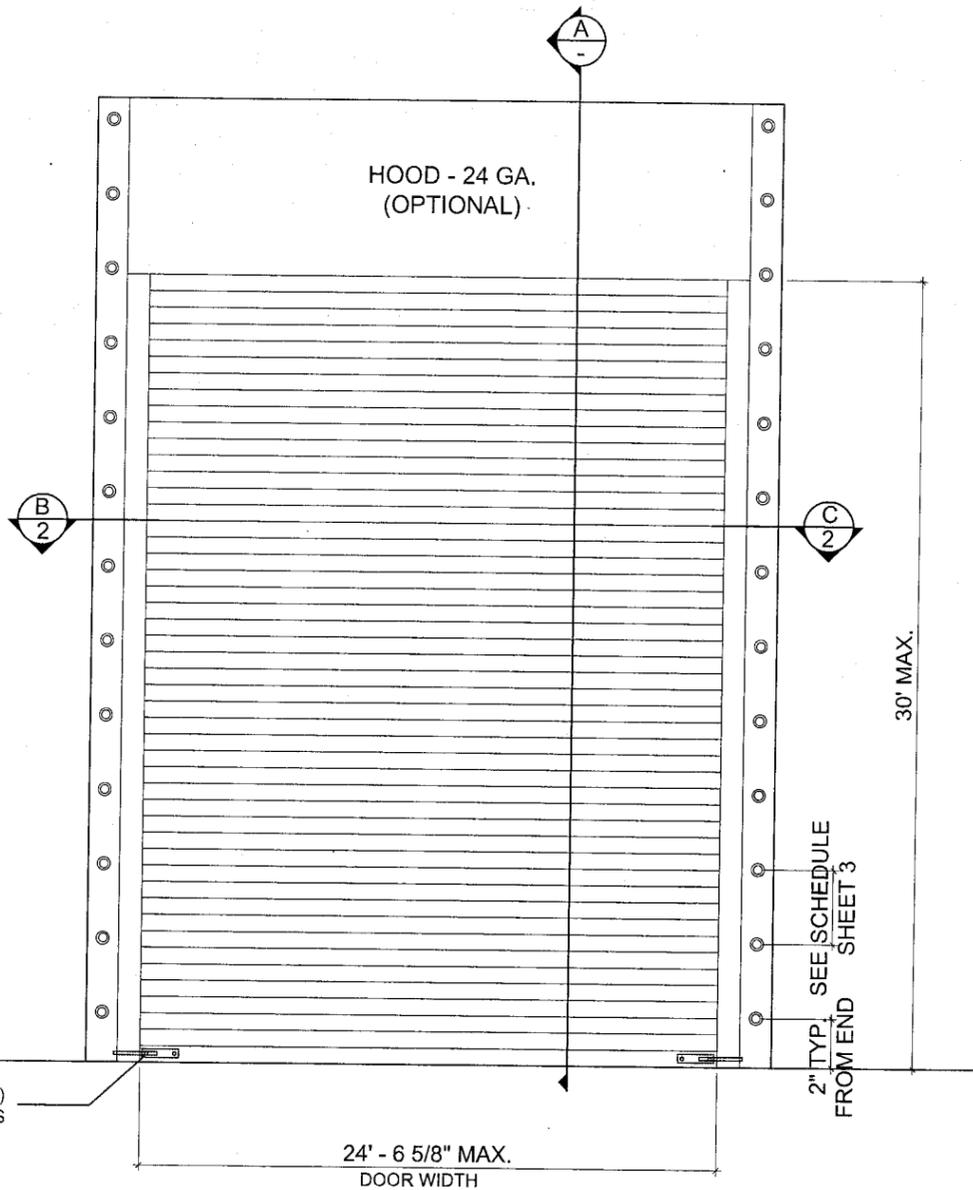
F. STATEMENTS

1. Statement letter of code conformance with FBC 2007, issued by MCY Engineering, Inc, dated 09/23/10, signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest, issued by MCY Engineering, Inc, dated 09/23/10, signed and sealed by Yiping Wang, P.E.

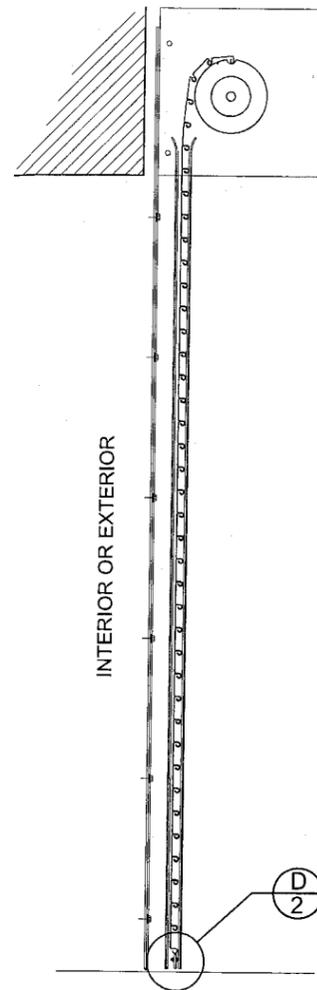


12/07/10

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0928.08
Expiration Date: December 30, 2015
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TYPICAL ELEVATION



SECTION A

DESIGN LOADS
 + 65 PSF
 - 65 PSF

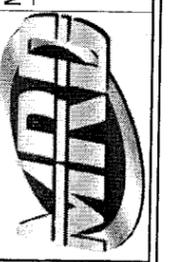
Approved as complying with the
 Florida Building Code
 Date 12/30/2010
 NOAA 10-0928.08
 Miami Dade Product Control
 Division
 By *[Signature]*

MIAMI-DADE COUNTY

NO	DATE	DESCRIPTION

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 9110 SW SUNSET DRIVE
 MIAMI, FL 33173
 P: 305.271.0117
 F: 786.573.5063
 www.MCYEngineering.com
 MCY.Engineering@Att.net

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DATE	09-14-10
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	
DRAWING NO.	AD10-25
SHEET	1 of 4

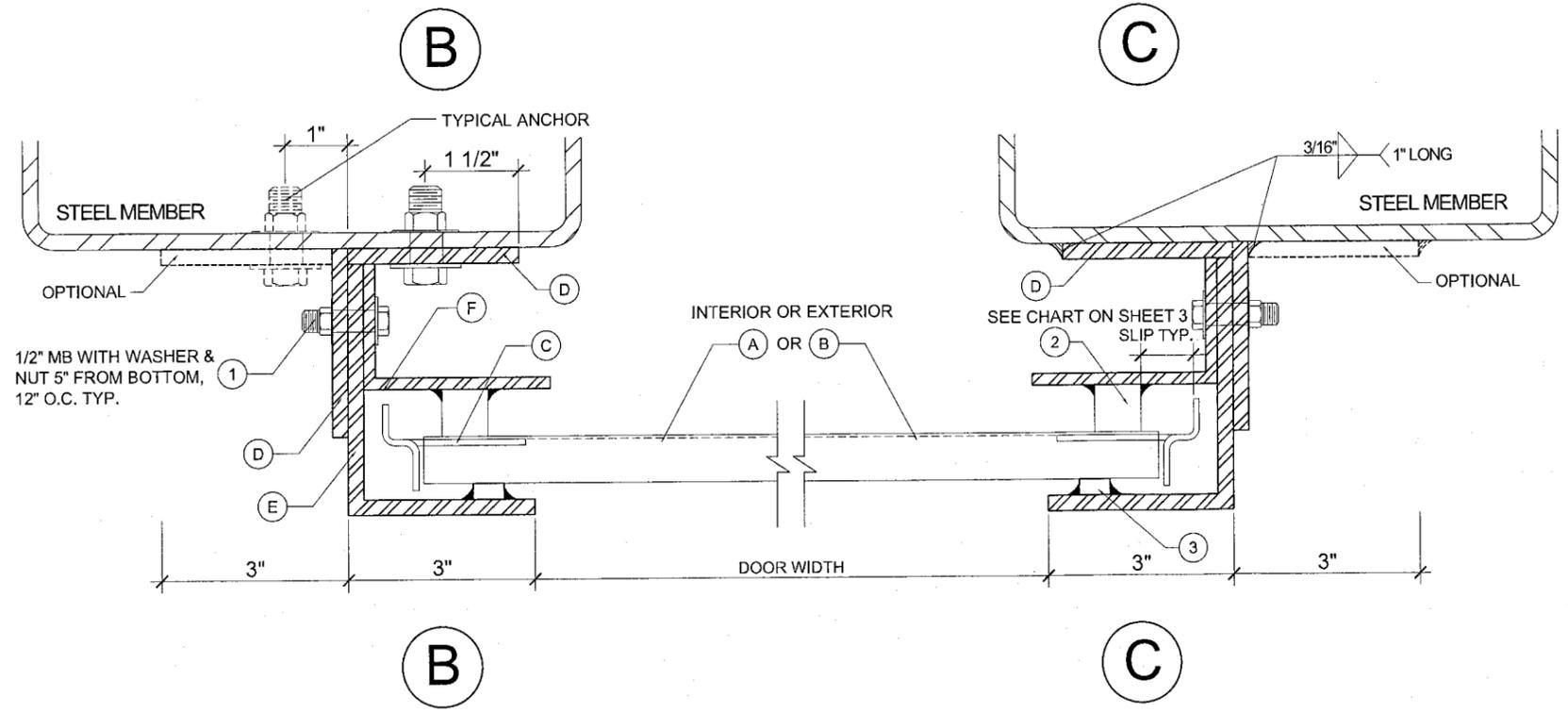
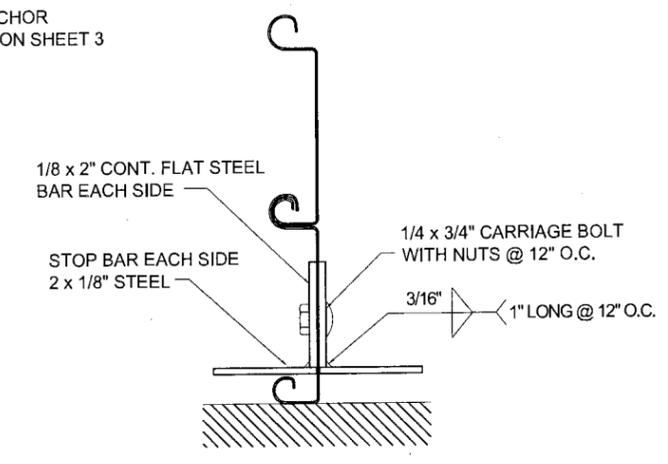
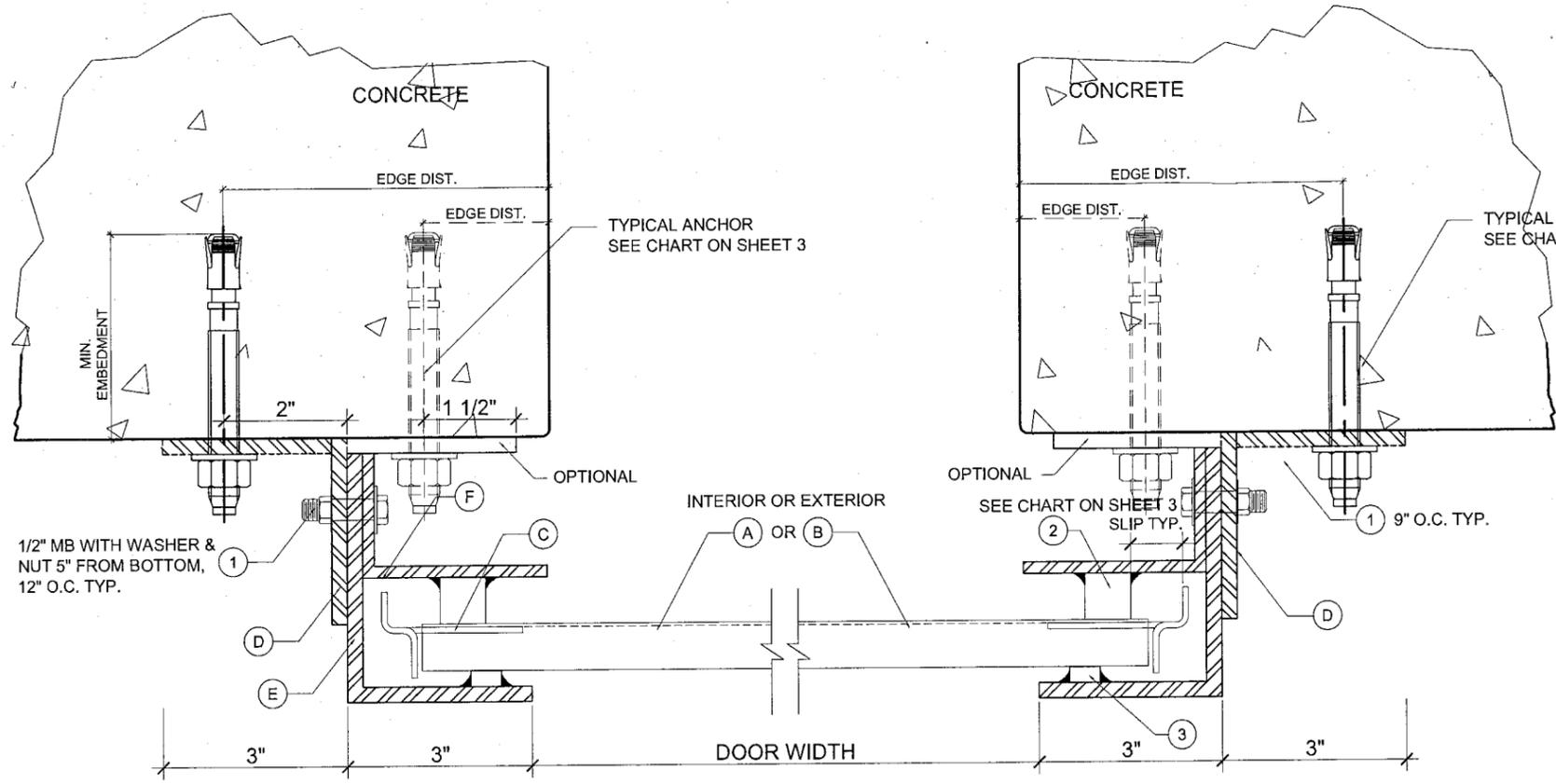
GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION. INCLUDED HIGH VELOCITY HURRICANE ZONE (HVHZ).
- THE ROLLING UP DOOR HAVE BEEN TESTED AS PER FBC 2007 TAS 201, 202 AND 203 FOR LARGE MISSILE IMPACT. FORCE ENTRY RESISTANCE TEST PER AAMA 1303.5 IN ACCORDANCE WITH CHAPTER 17 OF THE 2007 FBC.
- DOOR IMPACTED ON BOTH SIDES AND MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL. THE SLATS MAY BE INSTALLED CONCAVE SIDE FACING OUTSIDE OR INSIDE OF BUILDING
- DESIGN LOAD SHALL BE DETERMINED BASED ON BASIC WIND SPEED, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD

- HOOD TO BE 24 GA. ASTM A653 DESIGNATION G - 90 FINISH TYPE COATING
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BUILDING CODE SECTION 2003.8.4.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx & Vy FORCES AT BOTH JAMBS

YIPING WANG, P.E.
 FLORIDA REGISTRATION
 PE #55983
 C.A.N. 28677

[Signature]
 DEC 02 2010

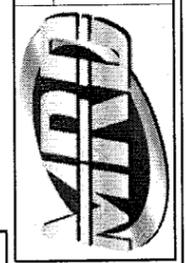


D BOTTOM BAR DETAIL

NO.	DATE	REVISIONS DESCRIPTION

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
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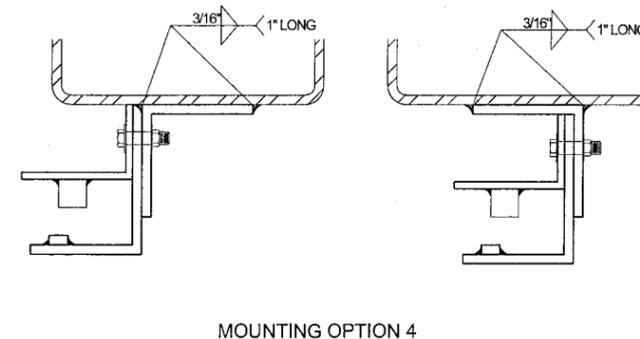
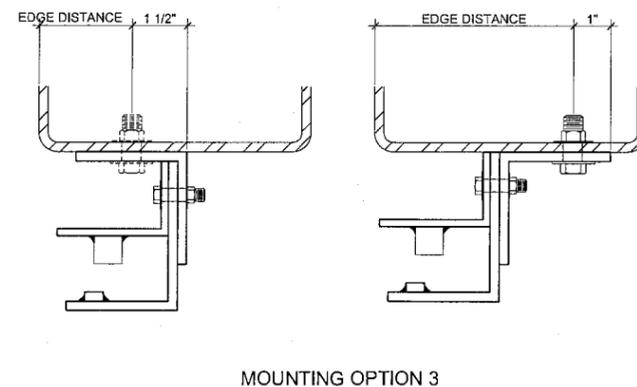
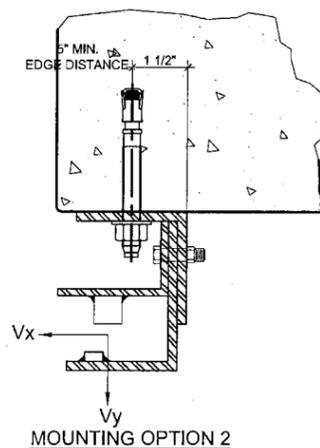
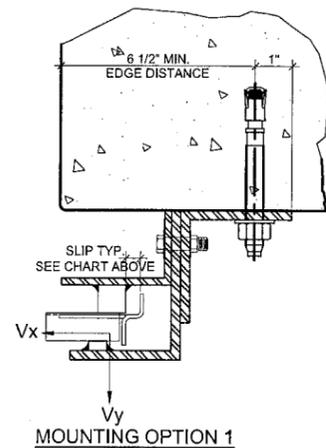
Approved as complying with the Florida Building Code
 Date 12/30/2010
 NOA# 10-0728.08
 Miami Dade Product Control
 Division
 By *[Signature]*
 MIAMI-DADE COUNTY

YIPING WANG, P.E.
 FLORIDA REGISTRATION
 PE #55983
 C.A.N. 28677
[Signature]
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DATE	09-14-10
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	
DRAWING NO.	AD10-25
SHEET	2 of 4

ANCHOR SPACING (INCHES)

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (FT)	DESIGN SLIP (IN)	V _x (LB/FT)	V _y (LB/FT)	ANCHOR SPACING (INCHES)										
					MOUNTING 1				MOUNTING 2				MOUNTING 3		MOUNTING 4
					1/2" Ø KWIK BOLT		5/8" Ø KWIK BOLT		1/2" Ø KWIK BOLT		5/8" Ø KWIK BOLT		1/2" MACHINE BOLT GRADE 2	5/8" MACHINE BOLT GRADE 2	3/16 X 1" WELD
fc' = 6000 PSI	fc' = 4000 PSI	fc' = 6000 PSI	fc' = 4000 PSI	fc' = 6000 PSI	fc' = 4000 PSI	fc' = 6000 PSI	fc' = 4000 PSI								
± 55	9'	0.1	1118	261	8.000	8.000	8.000	8.000	8.000	6.500	8.000	8.000	8.000	8.000	12.000
	13'	1/4	1668	371	8.000	8.000	8.000	8.000	5.750	4.500	8.000	6.375	6.375	8.000	12.000
	17'	1/2	1960	481	8.000	7.250	8.000	8.000	4.875	-	7.000	5.375	5.375	7.750	10.250
	21'	3/4	2293	591	8.000	6.250	8.000	8.000	4.000	-	6.000	4.500	4.500	6.500	8.250
	24' - 6 5/8"	1	2559	689	7.500	5.500	8.000	8.000	-	-	5.375	4.000	4.000	5.875	7.625
± 65	9'	0.1	1427	309	8.000	8.000	8.000	8.000	6.500	5.250	8.000	7.500	8.000	8.000	12.000
	13'	1/4	2007	439	8.000	6.750	8.000	8.000	4.500	-	6.500	5.375	7.000	8.000	10.000
	17'	1/2	2325	569	7.500	5.750	8.000	7.250	4.000	-	5.500	4.500	6.000	8.000	8.500
	21'	3/4	2702	699	6.500	4.875	8.000	6.250	-	-	4.750	4.000	5.375	7.500	7.250
	24' - 6 5/8"	1	3005	814	5.750	4.375	7.000	5.500	-	-	4.250	-	4.375	6.250	6.500



TYPICAL ANCHORS @ JAMB:

(SEE CHART FOR SPACING)

- TYPE A.** 1/2" DIA. KWIK BOLT 3 ANCHOR BY 'HILTI'
DIRECTLY INTO fc'=6000 PSI OR fc'=4000 PSI CONCRETE,
4" MIN EMBED,
MIN EDGE 6.5" @ MOUNTING 1
MIN EDGE 5" @ MOUNTING 2
- TYPE B** 5/8" DIA. KWIK BOLTS BY 'HILTI'
DIRECTLY INTO fc'=6000 PSI OR fc'=4000 PSI CONCRETE
5 1/2" MIN. EMBED
MIN EDGE 6.5" @ MOUNTING 1
MIN EDGE 5" @ MOUNTING 2

- TYPE C.** 1/2 DIA. MACHINE BOLTS (MIN. GRADE 2 CRS) W/ WASHER & NUTS
INTO STEEL 1/4" MIN. THICK STEEL : F_y = 36 KSI MIN.
- TYPE D.** 5/8" DIA. MACHINE BOLTS (MIN. GRADE 2 CRS) W/ WASHER & NUTS
INTO STEEL 1/4" MIN. THICK STEEL : F_y = 36 KSI MIN.
- TYPE E.** 3/16" WELDS ELECTRODE E70
3/16" x 1" WELD AT EACH SIDE OF STEEL ANGLE

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Miami Dade Product Control
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By *[Signature]*

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C.A.N. 28677

[Signature]

DEC 02 2010

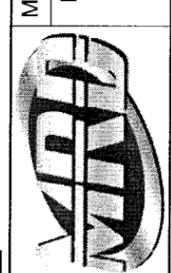
NO.	DATE	DESCRIPTION

MCY

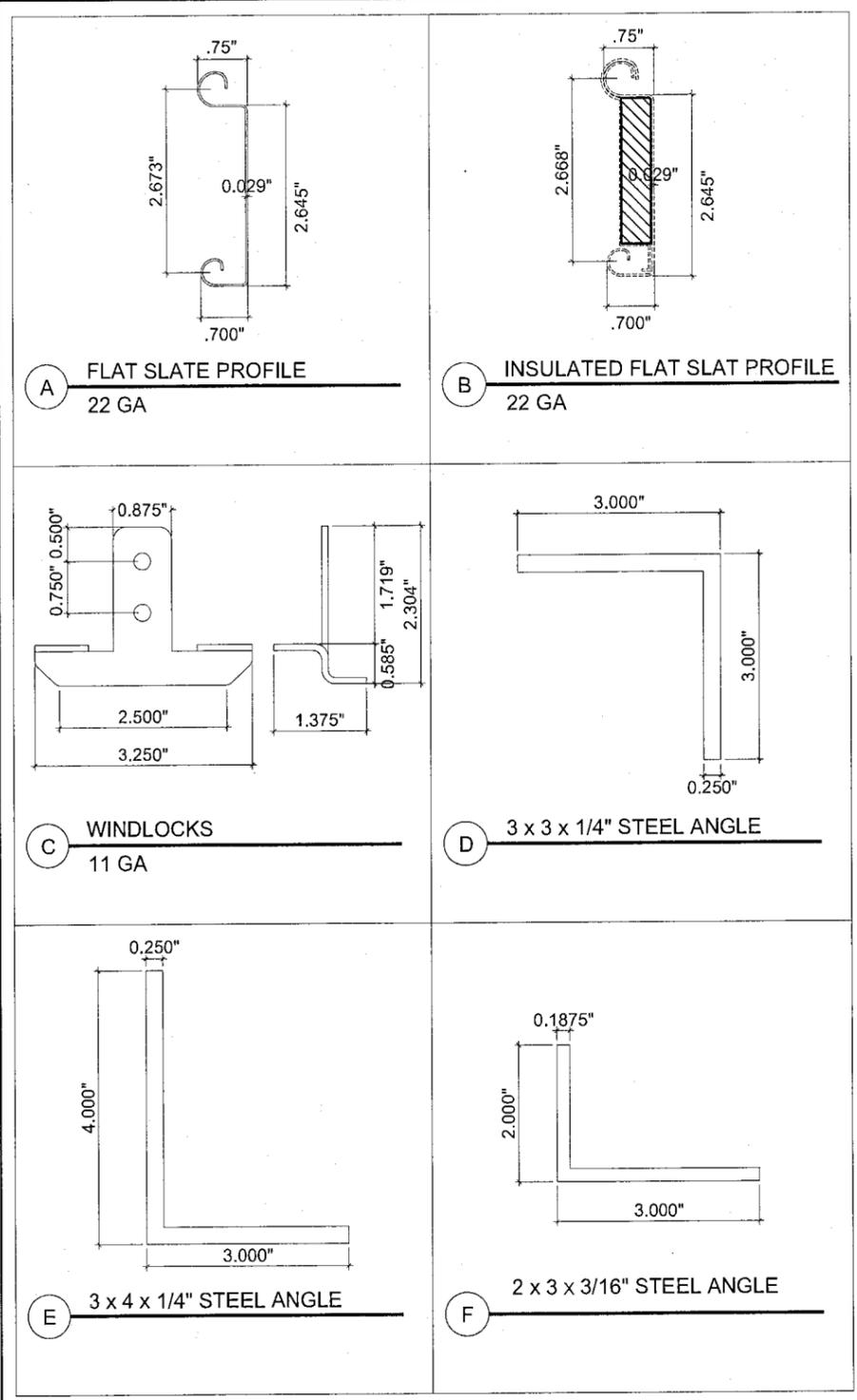
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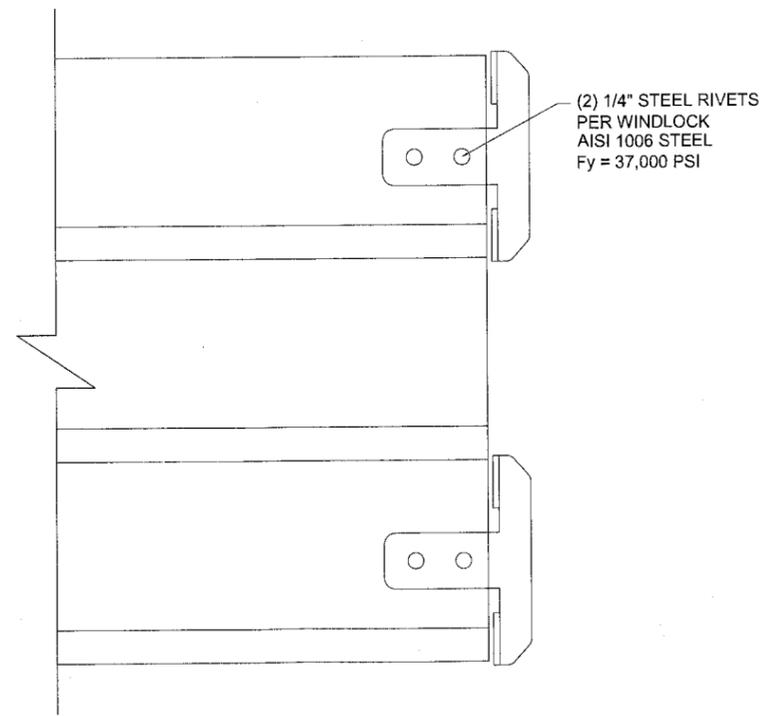
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DATE	09-14-10
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SHEET 3 of 4	



BILL OF MATERIALS				
ITEM #	QTY.	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
A	AS REQD	22GA (0.029") FLAT SLAT	GALVANIZED STEEL OR STAINLESS STEEL	ASTM A653 Fy = 50 KSI OR STAINLESS STEEL AISI 304 Fy = 50KSI . MIAMI ROLLING DOORS, CORP
B	AS REQD	INSULATED FLAT SLAT	EXPANDED POLYSTYRENE	OPTIONAL NOA 07 - 1107.08 IF NEEDED FOR INSULATION OR FIRE PROTECTION PURPOSES
C	EVERY OTHER SLAT	11 GA WINDLOCKS	PLATED STEEL	ASTM A36 MIN. MIAMI ROLLING DOORS, CORP.
D	2 PER FRAME	3 x 3 x 1/4" STEEL ANGLE	STEEL	ASTM A36 MIN.
E	2 PER FRAME	3 x 4 x 1/4" STEEL ANGLE	STEEL	ASTM A36 MIN.
F	2 PER FRAME	2 x 3 x 3/16" STEEL ANGLE	STEEL	ASTM A36 MIN.
1	AS REQD.	1/2" x 1 1/2" ASSEMBLY BOLT	STEEL SAE GRADE 2 MIN.	5" FROM BOTTOM AND 12" O.C.
2	AS REQD.	3/4" x 3/4" CONTINUOUS SOLID STEEL WINDBAR	STEEL ASTM A36 MIN.	3/16" x 1" WELDED TO TRACK EACH SIDE @ 12 O.C.
3	AS REQD.	1/2" x 1/4" CONTINUOUS SOLID STEEL WINDBAR	STEEL ASTM A36 MIN.	3/16" x 1" WELDED TO TRACK EACH SIDE @ 12 O.C.



**INTERLOCKING SLATS W/ WINDLOCKS
@ EVERY OTHER SLAT**

Approved as complying with the Florida Building Code
 Date 12/30/2010
 NOA# 10-0928-03
 Miami Dade Product Control Division
 By *[Signature]*
 MIAMI-DADE COUNTY

YIPING WANG, P.E.
 FLORIDA REGISTRATION
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 C.A.N. 28677
[Signature]
 DEC 02 2010

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SHEET	4 of 4

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